

## **Palo Alto, Mountain View / Moffett Area Reclaimed Water Pipeline Project**

The cities of Palo Alto and Mountain View are jointly constructing a pipeline to carry recycled water from the Palo Alto Regional Water Quality Control Plant to customers along East Bayshore Parkway and in Mountain View's North Bayshore area.

Direct any questions to the Palo Alto project manager, Jamie Allen, at (650) 617-3130.

For more information:

[http://www.cityofpaloalto.org/knowzone/city\\_projects/utility/pipeline\\_project.asp](http://www.cityofpaloalto.org/knowzone/city_projects/utility/pipeline_project.asp))

## Background Information:

- Construction start: July 2007
- Actual excavation start: August 2007 (estimated)
- Completion date: December 2008
  
- Contractor: McGuire + Hester
- Engineer: RMC Water and Environment
- Construction management: URS Corporation
- Project Manager, Palo Alto: Jamie Allen, (650) 617-3130
- Resident Engineer, URS Corp: Rob Wamstad
- Project Manager, McGuire & Hester: TBD
  
- Length of pipe: 35,147 linear feet
- Pipe sizes: 6-, 8-, 12-, 16-, 18-, 24-, and 30-inch-diameter
- Pipe material: polyvinyl chloride (PVC) and ductile iron pipe
- Metered Connections: 64\*
- Construction cost: \$15,950,279
- Palo Alto streets impacted: Embarcadero Way  
Embarcadero Road (b/w Embarcadero Way  
and Highway 101)  
East Bayshore Parkway

\* The recycled water will be used for outdoor irrigation by over 64 customers along the pipe alignment. Customers include CalTrans, Mountain View Shoreline Golf Links, Mountain View's North Bayshore area businesses, and Greer Park.

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For more information about recycled water, see our [RWQCP Water Reuse Program](#) website.




## Typical Water Project Construction Stages






Click at pictures to enlarge image

*For updated current information on when construction will occur in your specific area, please contact the **Project Manager, City of Palo Alto, Water Quality Control Plant.***

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- \* [Site Mobilization](#)
- \* [Underground Service Alert \(USA\) and City Survey](#)
- \* [Street Sawcutting](#)
- \* [Excavation](#)
- \* [New Water Main, Services Installation, and Existing Services Reconnection](#)
- \* [New water main pressure test](#)
- \* [Backfilling](#)
- \* [Install Temporary Pavement or "Cutback"](#)
- \* [Final Pavement Restoration](#)
- \* [Final cleaning](#)

Project Stages	
Construction Phase	Description
<b>Site Mobilization</b> 	
<b>USA / Survey</b> 	Underground Service Alert (USA) and utility owners mark out existing utilities on the street pavement with spray paint.
<b>Sawcutting</b> 	The Contractor sawcuts existing pavement as marked by a survey crew.
<b>Excavation</b>	The Contractor removes pavement and excavates soil to prepare for installation of a new water pipe and services.

	
<p><b>New Water Main, Services Installation, and Existing Services Reconnection</b></p> 	<p>The Contractor performs a system tie-in to an existing water main, closes tie-in valve, and begins laying new main and service connection points along the new water main alignment. Note: Your service is not connected to the new system at this stage of the construction.</p>
<p><b>New water main pressure test</b></p>	<p>The Contractor performs air or water pressure tests on the new water main. Water mains is pressurized to assure tightness at the pipe joints and fittings.</p>
<p><b>Backfilling</b></p> 	<p>Contractor fills and compacts the ground openings with backfill material as the new main is installed.</p>
<p><b>Install Temporary Pavement or "Cutback"</b></p> 	<p>Temporary cold asphalt mix is placed on the backfilled area to temporarily restore the roadway service. If your street is concrete, steel plates will be placed on top of the trench in order for the concrete base to cure, prior to final restoration.</p>
<p><b>Final Pavement Restoration</b></p> 	<p>The Contractor removes temporary asphalt pavement, steel plates, and restores pavement and all surface improvements to the preconstruction condition</p>
<p><b>Final cleaning</b></p>	<p>The Contractor sweeps the street affected by the project and removes USA markings.</p>

## ***Frequently Asked Questions***

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### **Frequently Asked Questions:**

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#### **Parking**

- [Q: Where can I park?](#)
- [Q: Will I be able to get in and out of my driveway during construction?](#)
- [Q: Why are they putting "No Parking" signs on both sides of the street?](#)

#### **Q: Where can I park?**

A: When construction is occurring on the block of your business you will not be allowed to park in the street along this section or block of the project during working hours. Due to the movement of construction equipment, the need to excavate in the street and overall job safety, parking is not allowed during these activities. Entering and leaving your driveway is acceptable except during construction that is directly in front of your driveway. The construction duration for any given block is usually limited to two weeks. Finding alternate parking may be more convenient while construction is occurring in front of your business.

#### **Q: Will I be able to get in and out of my driveway during construction?**

A: Yes, you will be able to access your driveway during the project except when excavation work blocks access to your driveway. In the event that an open excavation blocks access to your driveway and you need to get out, the Contractor will try to place a steel plate over the excavation to provide temporary access.

#### **Q: Why are they putting "No Parking" signs on both sides of the street?**

A: Both sides of the street are required to provide safe open access for construction equipment movement and to inspect the installation of the new water main and services.

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#### **Construction**

- [Q: Are the workmen allowed to put materials \(soil, pipe, rock, equipment, etc.\) in City streets?](#)

- [Q: Are they going to remove the spray paint marks from the street, sidewalk, and my driveway? If so, when?](#)
- [Q: What are the daily work hours for construction?](#)
- [Q: Why is a portable toilet in front of my business?](#)
- [Q: How often does the Contractor clean the work site?](#)
- [Q: The steel plate in front of my house is rocking creating noise. What can I do about it?](#)
- [Q: Workers left trash at my business, how do I get them to clean it up?](#)
- [Q: Is the Contractor allowed to use water from my business?](#)

**Q: Are the workmen allowed to put materials (soil, pipe, rock, equipment, etc.) in City streets?**

A: Yes, the Municipal Code allows the public right of way (street) to be used for Contractor storage while work is occurring in the immediate vicinity of the stored materials.

**Q: Are they going to remove the spray paint marks from the street, sidewalk, and my driveway? If so, when?**

A: Yes, the Contractor is responsible for removing all spray paint marks as part of the project work. The City insures performance of this aspect of the project by retaining funds payable to the Contractor until completion of the project work.

**Q: What are the daily work hours for construction?**

A: In Palo Alto, work hours are typically 8:00 a.m. to 5:00 p.m., Monday through Saturday. Night work is allowed with a permit. No work is allowed on Sundays or holidays. In Mountain View, work hours are typically 7:30 a.m. to 4:00 p.m., Monday through Friday, with night and weekend work also allowed.

**Q: Why is a portable toilet in front of my business?**

A: The Contractor must provide sanitary facilities for their workers. The portable toilet will be moved as the project work progresses. If this facility is not maintained or you wish it to be moved to another location, please contact the Project Manager.

**Q: How often does the Contractor clean the work site?**

A: The Contractor cleans the work site at the end of each workday. If you notice that the job site is not being cleaned on a daily basis, please contact the Project Manager.

**Q: The steel plate in front of my business is rocking and creating noise. What can I do about it?**

A: Please contact the Project Manager. The Project Manager will have the Contractor shim the plate edges to address this issue.

**Q: Workers left trash at my business, how do I get them to clean it up.**

A: Please contact the Project Manager to have this matter corrected. Work site conditions should be kept clean. The Project Manager will contact the Contractor to address this issue.

**Q: Is the Contractor allowed to use water from my business?**

A: No. The Contractor is not allowed to use your water unless you give consent. If you notice that the Contractor is using your water, without your consent, please contact the Project Manager.

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## **Paving**

- **[Q: When will the street pavement be restored as part of the project work?](#)**
- **[Q: When will street/traffic markings \(stop bars, cross walk striping, bike lane striping, etc.\) be replaced?](#)**
- **[Q: Why doesn't the repaving look finished?](#)**
- **Q: What condition will the roadway be left in?**

**Q: When will the street pavement be restored as part of the project work?**

A: Typically, all pavement repairs will occur within two weeks after construction activity related to the water main and services is complete, weather permitting.

**Q: When will street/traffic markings (stop bars, cross walk striping, bike lane striping, etc.) be replaced?**

A: Painting of the street markings is one of the last activities of a water main project. To insure that there will not be any further excavation in the area, this portion of the work is delayed until many weeks after all water main construction activities have been completed.

**Q: Why doesn't the repaving look finished?**

A: The Contractor attempts to match the existing pavement but this is not always possible. Older pavement tends to become "gray" and new asphalt is darker. All pavement repairs are inspected and approved by the Public Works Department prior to completion of the contract and before final payment is made to the Contractor.

**Q: What condition will the roadway be left in?**

A: Pavement will be restored. The pipeline trench will be covered with a temporary paving surface. After trench completion, the temporary surface will be replaced with permanent asphalt, which is smooth, sturdy, and integral with the existing roadway. Pavement markings will also be restored.

Disturbed pavement on East Bayshore Parkway will be slurry sealed. A slurry seal is the application of a thin layer of a latex modified emulsion, which is a mixture of oil, fine gravels, and black volcanic sand. A slurry seal seals the street surface, preventing further deterioration and extending its service life.

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## **Project Completion**

- **[Q: When will the Underground Service Alert \(USA\) marks be removed?](#)**

**Q: When will the Underground Service Alert (USA) marks be removed?**

A: At project completion, a punch list of outstanding items is generated before the project completion notice is filed with the County. If the Contractor has not removed all spray paint markings, the work will be included in the project punch list. The final payment for the contract will not be made until the spray paint marks are removed.